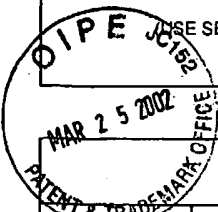
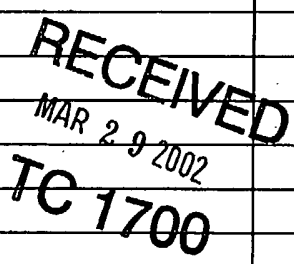


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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. AUROBIO.026DV1 | APPLICATION NO. 09/804,480 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Maher, et al. | |
| | | FILING DATE March 12, 2001 | GROUP 1743 |



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| U.S. PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) | |
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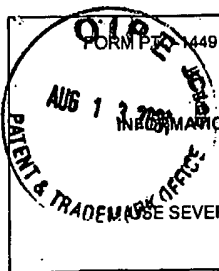


| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | |
| | | | | | | YES | NO | |
| | 1. | 96/41166 | 12/19/96 | PCT | | | | |
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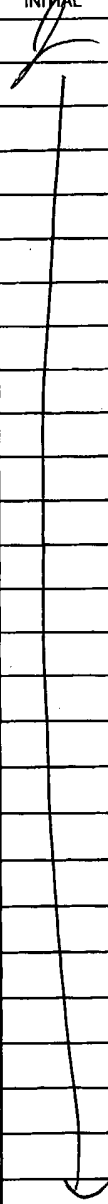
| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | |
|------------------|--|--|
| | 2. | González, J.E., et al., "Cell-based assays and instrumentation for screening ion-channel targets", Drug Discover Today, Vol. 4, No. 9, pp. 431-439, (September 1999). |
| | 3. | González, J.E., et al., "Voltage sensing by fluorescence resonance energy transfer in single cells", Biophysical Journal, Vol. 69, No. 4, pp. 1272-1280, (October 1995). |
| | 4. | Giuliano, K.A., et al., "Fluorescent-protein biosensors: new tools for drug discovery", Trends In Biotechnology, Vol. 16, No. 3, pp. 135-140, (March 1998). |
| | | |
| | | |

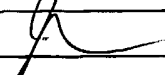
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| EXAMINER | DATE CONSIDERED 6-25-01 |
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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|---|--|------------------------------------|-------------------------------|
|  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. AUROBIO.028DV1 | APPLICATION NO. 09/804,480 |
| | INFORMATION DISCLOSURE STATEMENT BY APPLICANT | APPLICANT Maher, et al. | FILING DATE March 21, 2001 |

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 AUG 14 2001
 TC 1700

| U.S. PATENT DOCUMENTS | | | | | | | |
|--|----|-----------------|----------|------------------|-------|----------|------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|  | 1 | 4,072,578 | 2/7/78 | Cady, et al. | | | |
| | 2 | 4,514,500 | 4/30/85 | Giaever, et al. | | | |
| | 3 | 4,481,304 | 7/24/84 | Kuperstein | | | |
| | 4 | 4,628,933 | 12/16/86 | Michelson | | | |
| | 5 | 4,677,989 | 7/7/87 | Robblee | | | |
| | 6 | 4,969,468 | 11/13/90 | Byers, et al. | | | |
| | 7 | 5,024,233 | 6/18/91 | Chow | | | |
| | 8 | 5,178,161 | 1/12/93 | Kovacs | | | |
| | 9 | 5,187,096 | 2/16/93 | Giaever, et al. | | | |
| | 10 | 5,405,367 | 4/1/95 | Schulman, et al. | | | |
| | 11 | 5,432,086 | 7/1/95 | Fränzl, et al. | | | |
| | 12 | 5,439,440 | 8/8/95 | Hofmann | | | |
| | 13 | 5,545,130 | 8/13/96 | Hofmann, et al. | | | |
| | 14 | 5,563,067 | 10/8/96 | Sugihara, et al. | | | |
| | 15 | 5,571,158 | 11/5/96 | Bolz, et al. | | | |
| | 16 | 5,810,725 | 9/22/98 | Sugihara, et al. | | | |
| | 17 | 5,855,801 | 1/5/99 | Lin, et al. | | | |
| | 18 | 5,935,155 | 8/10/99 | Humayun, et al. | | | |
| | 19 | 5,957,958 | 9/28/99 | Schulman, et al. | | | |
| | 20 | 5,965,452 | 10/12/99 | Kovacs | | | |
| | 21 | 5,981,268 | 11/9/99 | Kovacs, et al. | | | |
| | 22 | 6,008,038 | 12/28/99 | Kröger, et al. | | | |
| | 23 | 6,009,347 | 12/28/99 | Hofmann | | | |
| | 24 | 6,024,702 | 2/15/00 | Iversen | | | |
| | 25 | 6,031,711 | 2/29/00 | Tennent, et al. | | | |
| | 26 | 6,038,478 | 3/14/00 | Yuen, et al. | | | |
| | 27 | 6,046,002 | 4/4/00 | Davis, et al. | | | |

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| EXAMINER |  | DATE CONSIDERED | 6-25-07 |
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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|---|--|---------------------------------|-------------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | CLASS. DOCKET NO. 09/804,480 | APPLICATION NO. 09/804,480 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Maher, et al. | FILING DATE March 21, 2001 |
| | | GROUP 1743 | |

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 PATENT & TRADEMARK OFFICE

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|-----------------|---------|-----------------|-------|----------|------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| <i>[Signature]</i> | 28 | 6,051,422 | 4/18/00 | Kovacs, et al. | — | — | |
| <i>[Signature]</i> | 29 | 6,063,260 | 5/16/00 | Olesen, et al. | — | — | |
| <i>[Signature]</i> | 30 | 6,099,960 | 8/8/00 | Tennent, et al. | — | — | |
| <i>[Signature]</i> | 31 | 6,205,016 | 3/20/01 | Niu | — | — | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----|-----------------|----------|---------|-------|----------|-------------|----|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| <i>[Signature]</i> | 32 | WO97/05922 | 2/20/97 | PCT | — | — | | |
| <i>[Signature]</i> | 33 | WO00/25121 | 5/4/00 | PCT | — | — | | |
| <i>[Signature]</i> | 34 | WO00/68686 | 11/16/00 | PCT | — | — | | |
| <i>[Signature]</i> | 35 | 1 067 378 A1 | 1/10/01 | EPO | — | — | | |

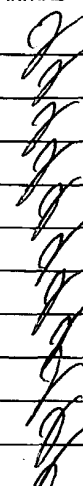
| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | |
|--------------------|--|--|
| <i>[Signature]</i> | 36 | Arndts, Oral Presentation Abstract, Second International Cell Analysis Products Users Meeting in Hilton Head Island, South Carolina, USA (June 3-5, 1998). |
| <i>[Signature]</i> | 37 | Barr and Plonsey, Biophys. J. 61, 1164-1175 (1992). |
| <i>[Signature]</i> | 38 | Barr and Plonsey, IEEE 42, 1185-11911 (1995). |
| <i>[Signature]</i> | 39 | Cartee and Plonsey, Med & Biol. Eng. & Comp. 30 369-398 (1992). |
| <i>[Signature]</i> | 40 | Cartee and Plonsey, IEEE 39, 76-85 (1992). |
| <i>[Signature]</i> | 41 | Eppich et al., Nature Biotech. 18, 882-887 (2000). |
| <i>[Signature]</i> | 42 | Greenberg, et al. IEEE 46, 505-514 (1999). |
| <i>[Signature]</i> | 43 | Gross, et al. Biophys. J. 50, 339-348 (1986). |
| <i>[Signature]</i> | 44 | Jenisch and Günther, BioEssays 19, 117-126 (1997). |
| <i>[Signature]</i> | 45 | Klee and Plonsey, Biophys. J. 12 1661-1675 (1972). |
| <i>[Signature]</i> | 46 | Klee and Plonsey, IEEE 23, 347-354 (1976). |
| <i>[Signature]</i> | 47 | Mitchell et al., J. Biomed. Eng. 14, 52-58 (1992). |
| <i>[Signature]</i> | 48 | Plonsey, Med & Biol. Eng. & Comput. 19 311-315 (1981). |
| <i>[Signature]</i> | 49 | Plonsey, Med. & Biol. Eng. & Comput. 33 337-340 (1995). |

| | |
|--|--------------------------------|
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED <i>6-25-01</i> |
| *EXAMINER: INITIAL IS CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | PATENT DOCKET NO. AUG-BIO.026DV1 | APPLICATION NO. 09/804,480 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Maier, et al. | GROUP 1743 |
| (USE SEVERAL SHEETS IF NECESSARY) | | FILING DATE March 21, 2001 | |

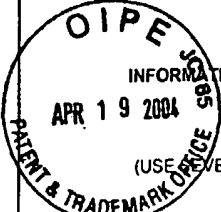
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PATENT & TRADEMARK OFFICE

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AUG 14 2001
TC 1700

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|--|--|
|  | 50 Plonsey and Barr, IEEE 42 329-336 (1995). |
| | 51 Plonsey and Barr, IEEE 9/10 130-137 (1998.) |
| | 52 Rattay, Neuroscience 89 335-346 (1999). |
| | 53 Roth, Critical Reviews in Biomed. Eng. 22 283-305 (1994). |
| | 54 Rowell, Biophotonics Int: 12 25-26 (2000). |
| | 55 Schmidt et al., Proc. Natl. Acad. Sci. USA 94 8948-8953 (1997). |
| | 56 Stone et al., J. Cardiovascular Electrophysiology 10 92-107 (1999). |
| | 57 Svirskis et al., American Phys. Soc. 0022-3077 579-586 (1997). |
| | 58 Tung and Borderies, Biophys. J. 63 371-386 (1992). |
| | 59 Tung et al., Circulation Research 69 722-730 (1991). |
| 60 Zhou, et al., Circulation Research 83 1003-1014 (1998). | |

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|--|-------------------------|
| EXAMINER | DATE CONSIDERED 6-25-07 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT APR 19 2004 (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. AUROBIO.026DV1 | APPLICATION NO. 09/804,480 |
| | APPLICANT Maher et al. | |
| | FILING DATE March 12, 2001 | GROUP 1646 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|---|-----------------|-----------|---------------|-------|----------|------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| <i>JG</i> | 1 | 4,801,543 | 1/31/1989 | Arnold et al. | | | |
| <i>JG</i> | 2 | 5,194,133 | 3/16/1993 | Clark et al. | | | |
| <i>JG</i> | 3 | 5,643,742 | 7/1/1997 | Malin et al. | | | |
| <i>JG</i> | 4 | 6,376,233 | 4/23/2002 | Wolf et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | |
|------------------|--|--|
| <i>JG</i> | 5 | Jacobs et al., "Control of Action Potential-Induced Ca ²⁺ Signaling in the Soma of Hippocampal Neurons by Ca ²⁺ Release from Intracellular Stores", (1997) Journal of Neuroscience 17(11):4129-4135. |
| <i>JG</i> | 6 | Reiner et al., "Use of a Membrane Potential -Sensitive Probe to Assess Biological Expression of the Cystic Fibrosis Transmembrane Conductance Regulator" (1995) Human Gene Therapy 6:1275-1283. |
| <i>JG</i> | 7 | Sinha et al., "Simultaneous Optical Recording of Evoked and Spontaneous Transients of Membrane Potential and Intracellular Calcium Concentration with High Spatio-Temporal Resolution" (1995) Journal of Neuroscience Methods 60:49-60 |
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| EXAMINER | <i>[Signature]</i> | DATE CONSIDERED | 6-25-04 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |